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[News, Profiles, Stocks and More about this company](#)**Published / Filed:** 1998-01-22 / 1997-05-23**Application Number:** DE1997029712281U**IPC Code:** Advanced: [B60Q 1/26](#); [B60Q 7/00](#); [B64F 1/20](#); [E01F 9/016](#); [E01F 9/06](#); [F21K 7/00](#); [F21S 8/00](#); [F21V 5/04](#); [F21V 29/00](#); Core: [B64F 1/00](#); [E01F 9/011](#); [E01F 9/04](#); [F21V 5/00](#); more...  
IPC-7: [B63B 45/00](#); [B64F 1/20](#); [F21Q 3/00](#); [H05B 37/02](#);**ECLA Code:** [B60Q1/26L](#); [B60Q7/00](#); [B64F1/20](#); [E01F9/016B](#); [E01F9/06B](#); [F21K7/00](#); [F21S8/00Q2](#);**Priority Number:** 1996-05-23 DE1996019620827**INPADOC Legal Status:** None [Buy Now: Family Legal Status Report](#)**Related Applications:**

Application Number	Filed	Patent	Pub. Date	Title
			1997-12-04	Leuchteinrichtung zur Signalabgabe, Ker oder Markierung

**Designated Country:** BE CH FI FR GB IE IT LI LU NL SE US**Family:**

Buy PDF	Publication	Pub. Date	Filed	Title
<input checked="" type="checkbox"/>	<a href="#">WO9744615A1</a>	1997-11-27	1997-05-23	LIGHTING DEVICE FOR SIGNALLING IDENTIFICATION AND MARKING OF TRAFFIC AREAS
<input checked="" type="checkbox"/>	<a href="#">WO9744614A1</a>	1997-11-27	1997-05-23	LIGHTING DEVICE FOR SIGNALLING

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Illumination device for airports, esp. underfloor lighting for runways and taxiways - has s... Page 1 of 7

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**Derwent Record**

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Derwent Title: Illumination device for airports, esp. underfloor lighting for runways and taxiways - has semiconducting light sources, esp. LEDs arranged in clusters, enabling illumination in white or signal colours

Original Title:  DE19721673A1: Leuchteinrichtung fuer Flughaeften, insbesondere Unterflurfeuer

Assignee: SIEMENS AG Standard company  
Other publications from SIEMENS AG (SIEI)...

Inventor: VANDEREN M; VANDERVOORDE J; VANDEVOORDE J;  
WILLEMS L;

Accession/Update: 1998-010414 / 200444

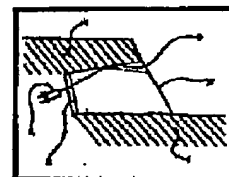
IPC Code: B64F 1/00 ; B64F 1/18 ; F21K 7/00 ; F21Q 0/00 ; F21Q 3/00 ; F21S 2/00 ; F21S 10/00 ; F21W 111/06 ; H05B 37/02 ; B63B 45/00 ; B64F 1/20 ; E01F 9/04 ; E01F 9/06 ;

Derwent Classes: Q24; Q25; Q41; Q71; U12; W06; X26;

Manual Codes: U12-A01A6(Arrays of encapsulated LEDs) , W06-B02E (Ground based navigation and communication equipment) , X26-H(LEDs; circuits)

Derwent Abstract: (DE19721673A) The device has semiconducting elements as light sources, esp. LEDs arranged in clusters, enabling illumination in white or signal colours such as red, green blue or yellow. Each cluster is a replaceable unit, pref. in cartridge form.  
The individual clusters or cartridges are moulded or injected, esp. using recyclable plastics which are good thermal conductors and resistant to pressure. The clusters or cartridges can be parts of a redundant operating system. The white light can be produced by mixing different colours using corresp. radiating special semiconductors.  
USE/Advantage - Also for obstructions or warning systems. Improved control characteristics, esp. w.r.t. overshoot after step change in demand or maximum error after step noise value change.

Images:



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